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50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
AUTH. NAME      AUTHOR AFFILIATION  
FITZPATRICK, E.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
RECIP. NAME      RECIPIENT AFFILIATION  
MURLEY, T.E.      Document Control Branch (Document Control Desk)

SUBJECT: Requests NRC review of planned mod to Foxboro reactor protection instrumentation. Mod necessary due to increased maint required on instrumentation & difficulty in obtaining qualified replacement parts.

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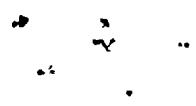
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AEP:NRC:1159

Donald C. Cook Nuclear Plant Units 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
REACTOR PROTECTION SYSTEM MODIFICATION

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Attn: T. E. Murley

September 4, 1991

Dear Dr. Murley:

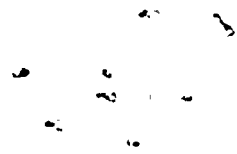
Reference: Letter, B. A. Boger (NRC) to E. E. Fitzpatrick (AEPSC),  
"Analog-to-Digital Instrumentation Replacement under 10  
CFR 50.59," August 22, 1991.

In response to the above-referenced letter from Mr. Boger of your staff, this letter serves to formally request your staff's review of a planned modification to the Foxboro reactor protection instrumentation at Cook Nuclear Plant Units 1 and 2. This modification is necessary due to the increased maintenance required on the Foxboro protection system and the difficulty in obtaining qualified replacement parts. Your staff has agreed to perform their review based on information obtained during their audit at Combustion Engineering from July 8 through 12, 1991, and the additional information subsequently provided.

The modification involves the installation of Combustion Engineering's MOD 30 microprocessor line of instrumentation. We believe that this modification will enhance overall plant safety due to the reduced drift, enhanced reliability, and greater flexibility provided by microprocessor-based hardware. The Combustion Engineering MOD 30 line of instrumentation has proven itself over the past eight years of operation in the non-nuclear industrial arena. We are in the process of ensuring that it will meet

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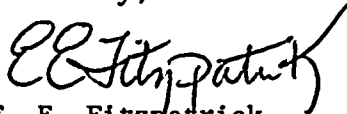


applicable design criteria for use in the reactor protection system. This modification, which is scheduled to begin in February 1992, will not impact the Technical Specifications.

Discussions have been held with Mr. Garry Garten of your staff concerning whether the information obtained during and subsequent to the July 8-12 audit should be made available in the Public Document Room. While this is acceptable to us, some of the information is proprietary to our vendors. Once we obtain the appropriate proprietary release forms from our vendors, we will submit this information to be placed in the Public Document Room.

This document has been prepared following Corporate procedures that incorporate a reasonable set of controls to ensure its accuracy and completeness prior to signature by the undersigned.

Sincerely,



E. E. Fitzpatrick  
Vice President

eh

cc: D. H. Williams, Jr.  
A. A. Blind - Bridgman  
J. R. Padgett  
G. Charnoff  
NFEM Section Chief  
A. B. Davis - Region III  
NRC Resident Inspector - Bridgman